

Healthmark's Hinged Top Micro Trays

Validation of Compatibility with Vaporized Hydrogen Peroxide Sterilization

30732-H – 31772-H

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Objective:

To demonstrate the efficacy of Healthmark's ProTech Hinged Top Micro Trays with vaporized Hydrogen Peroxide sterilization.

Test objects:

Healthmark's ProTech Hinged Top Micro Trays

Code Numbers: 30732-H, 30842-H, 31042-H, 31055-H, 31462-H, 31772-H, 50Z900

Test Materials:

Hinged Top Micro Trays	Steris V-PRO 1 PLUS Sterilizer	Kimberley Clark Kinguard ONE_STEP KC400 Sterilization Wrap
STERRAD 100S 59% H ₂ O ₂ Sterilant	Chemical Indicators	
STERRAD 100S Sterilizer	Test Organism <i>Geobacillus stearothermophilus</i>	Trypticase Soy Broth
Vaprox HC 59%H ₂ O ₂ Sterilant		

Procedure:

- The overkill method was selected to verify the sterilization efficacy of the trays.
- The Hinged Top Trays were fully loaded during testing.
- A minimum of 10⁻⁶ spores of *Geobacillus stearothermophilus* were placed in the most difficult to sterilize locations in the tray.
- Processing was done at one-half the expected full cycle exposure time.
- Following exposure, the BI test samples were aseptically transferred to culture media and incubated.

Results: The trays achieved a 10⁻⁶ SAL while processed in a STERRAD 100S and a V-PRO 1 Plus cycle. All test samples in both the sterilizers were negative for growth following the test incubation period of 14 days.

Conclusion: Healthmark's Hinged Top Micro Trays are permeable to Hydrogen Peroxide vapor, allowing proper sterilization of the trays.

Full studies available upon request.



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